

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
24 March 2005 (24.03.2005)

PCT

(10) International Publication Number  
**WO 2005/026256 A1**

(51) International Patent Classification<sup>7</sup>: C08L 25/06, B29D 22/00, C08J 5/18

(21) International Application Number:  
PCT/GB2004/003647

(22) International Filing Date: 31 August 2004 (31.08.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
0321287.5 11 September 2003 (11.09.2003) GB  
0321286.7 11 September 2003 (11.09.2003) GB

(71) Applicant (for all designated States except US): SAFE-GLASS (EUROPE) LIMITED [GB/GB]; Whitworth Building, Scottish Enterprise Technology Park, East Kilbride, Glasgow G1 2DT (GB).

(72) Inventor; and

(75) Inventor/Applicant (for US only): McNEILL, Ralph [GB/GB]; Safeglass Europe Limited - Whitworth Building, Scottish Enterprise Technology Park, East Kilbride, Glasgow G1 2DT (GB).

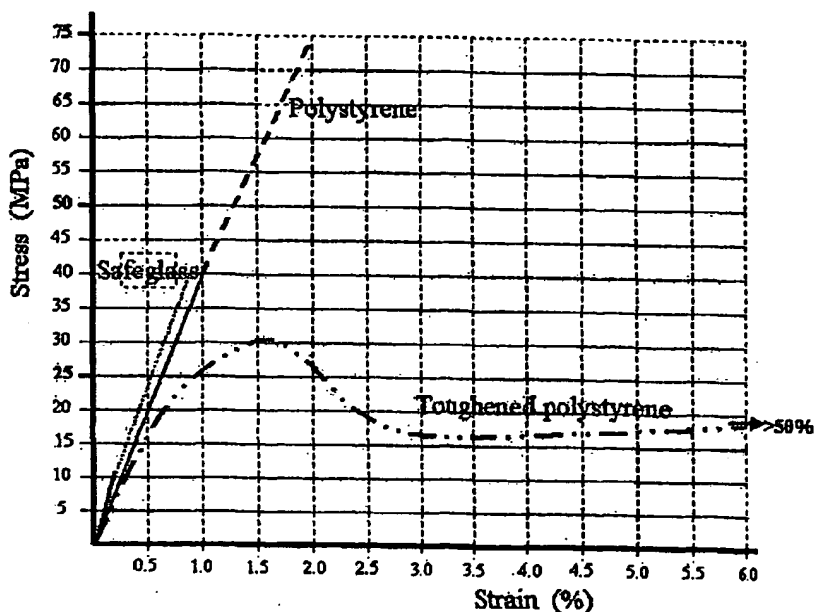
(74) Agent: KENNEDYS PATENT AGENCY LIMITED; Floor 5, Queens House, 29 St Vincent Place, Glasgow G1 2DT (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: GLASS LIKE MATERIAL WITH IMPROVED SAFETY CHARACTERISTICS



(57) Abstract: A material which can be used as a substitute for ordinary glass comprises a blend of a rigid and normally brittle amorphous thermoplastic material with one or more compatible low molecular weight resins. The material when broken, breaks into fragments which are not sharp and do not injure. A container having improved safety characteristics can be manufactured from the material and has many characteristics similar to an ordinary glass bottle - i.e. clarity, rigidity and brittleness. However when broken, the bottle shatters into fragments which are harmless and cannot be used to cut or pierce human skin.

WO 2005/026256 A1



**Published:**

— with international search report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*